



2017 CALTRANS Facilities Infrastructure Plan



Presentation to the California Transportation
Commission

August 17, 2016



2017 Facilities Infrastructure Plan (FIP)

- FIP Reporting Requirements
- FIP relationship with Programmed SHOPP and SHOPP Ten-Year Plan
- FIP Project Summary
- Overview of the Existing Condition of Caltrans' Office Buildings
- Next Steps

FIP Reporting Requirements

Required information:

**per Chapter 606, Statutes of 1999
(Assembly Bill 1473/Hertzberg)**

- Office Building Projects
- Reporting requirement per Department of Finance

Non-Required Information:

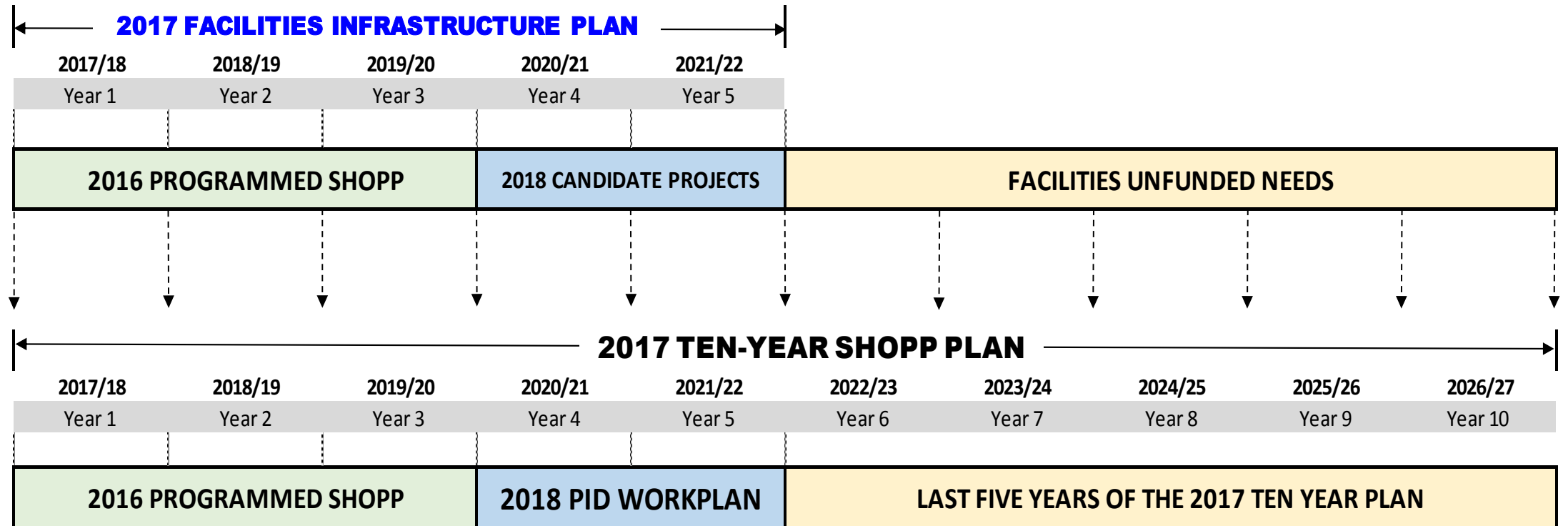
- Equipment Shops
- Maintenance Stations
- Material Labs
- Transportation Management Centers
- Facility Resource Conservation Efforts

The FIP & The State Highway Operation and Protection Program (SHOPP)

Chronology and Fiscal Year Relationships: Facilities Infrastructure Plan and SHOPP

		<i>Fiscal Years</i>											
<i>Approximate Due Date</i>		<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>2021-22</i>	<i>2022-23</i>	<i>2023-24</i>	<i>2024-25</i>	<i>2025-26</i>	<i>2026-27</i>
2015 Ten-Year SHOPP Plan	Jan 2015				10-Year Plan								
2016 Four-Year Programmed SHOPP	Jan 2016			4-Year Plan									
2017 Facilities Infrastructure Plan	July 2016				5-Year Plan								
2016 Facilities Infrastructure Plan	July 2015			5-Year Plan									

Facility Infrastructure Plan aligns with SHOPP Ten Year Plan



FIP Project Summary

Projected Facilities Infrastructure Needs Construction, Land, Capital, and Support

Fiscal Years 2017-18 through 2021-22

SHOPP Programmed and Candidate Projects Location/Descriptions	2016 SHOPP Fiscal Years						2018 SHOPP Candidate Projects Fiscal Years
	2017 Facilities Infrastructure Plan Fiscal Years						
	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2017 FIP Total
Office Buildings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment Shops	\$0	\$23,400,000	\$0	\$0	\$0	\$0	\$23,400,000
Maintenance Facilities	\$12,450,000	\$0	\$14,028,000	\$0	\$17,000,000	\$2,000,000	\$33,028,000
Materials Laboratories	\$0	\$0	\$0	\$0	\$1,100,000	\$0	\$1,100,000
Transportation Management Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction Totals	\$12,450,000	\$23,400,000	\$14,028,000	\$0	\$18,100,000	\$2,000,000	\$57,528,000
Land	\$20,000	\$0	\$27,000	\$0	\$0	\$0	\$27,000
Sub-total (Capital)	\$12,470,000	\$23,400,000	\$14,055,000	\$0	\$18,100,000	\$2,000,000	\$57,555,000
Support	\$9,015,000	\$8,000,000	\$9,054,000	\$0	\$6,100,000	\$700,000	\$23,854,000
Grand Total	\$21,485,000	\$31,400,000	\$23,109,000	\$0	\$24,200,000	\$2,700,000	\$81,409,000

**Note: This table does not reflect \$10M in reservation funds set aside for Transportation Related Facilities for Fiscal Year 2019-20*

FIP Project Summary

(Unfunded Needs Beyond the Five Years of the FIP)

Facilities Unfunded Needs

Facility Type	Construction Cost
Office Buildings	\$482,800,000
Equipment Shops	\$170,000,000
Maintenance Facilities	\$166,727,000
Material Laboratories	\$9,650,000
Transportation Management Centers	\$10,000,000
Total Unfunded Needs	\$839,177,000

Office Building Infrastructure Study Findings

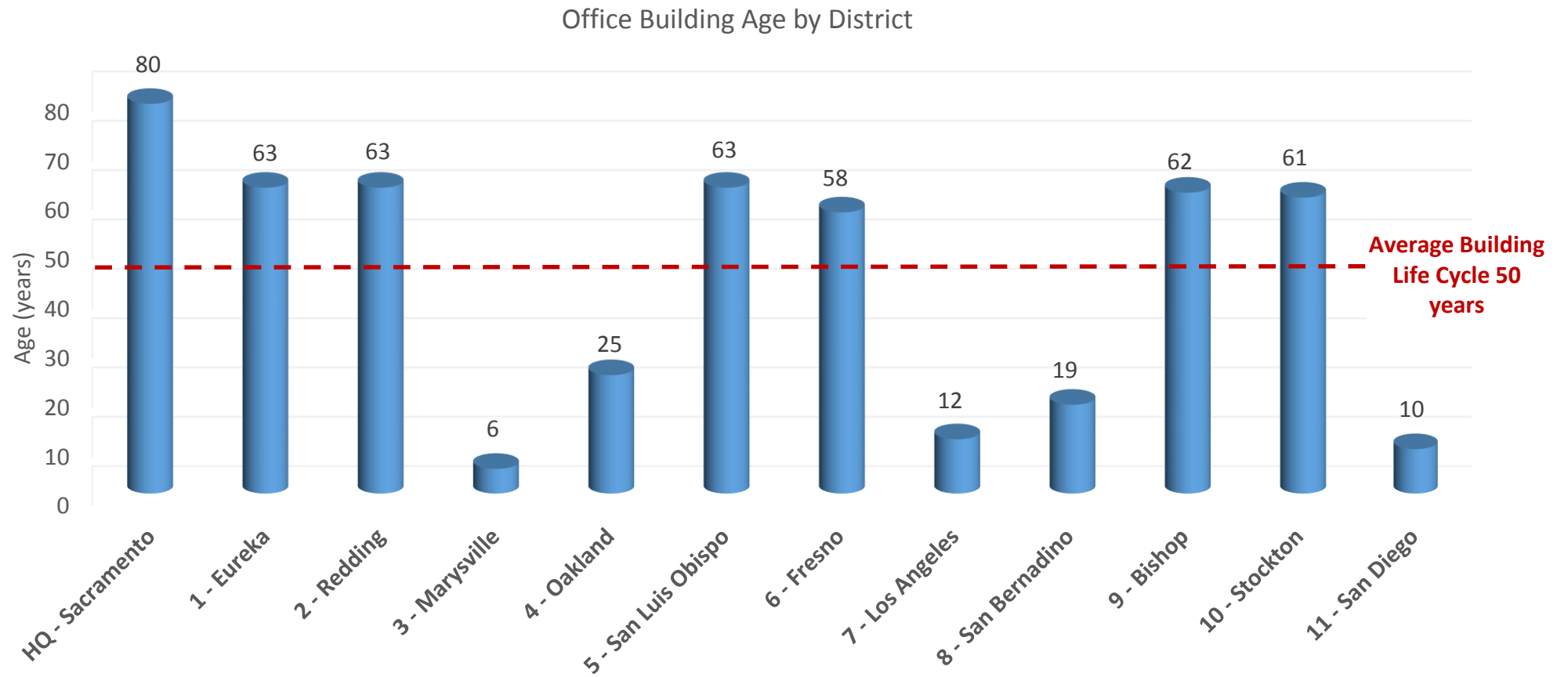
("Poor Condition" Assets)

District	Location	Year Built	Age (years)	Gross (Sq.Ft)	Infrastructure Study - Year Performed	Estimated Construction Cost* of Replacement (\$M)
HQ	Sacramento	1936	79	462,392	2007	\$199.60
		1950	65			
		1960	55			
2	Redding	1953	62	47,851	2003	\$36.80
5	San Luis Obispo	1953	62	41,700	2007	\$38.30
6	Fresno	1958	57	78,000	1990	\$77.70
9	Bishop	1954	61	20,250	2003	\$65.10
10	Stockton	1955	60	65,574	2009	\$65.30
Grand Total						482.8

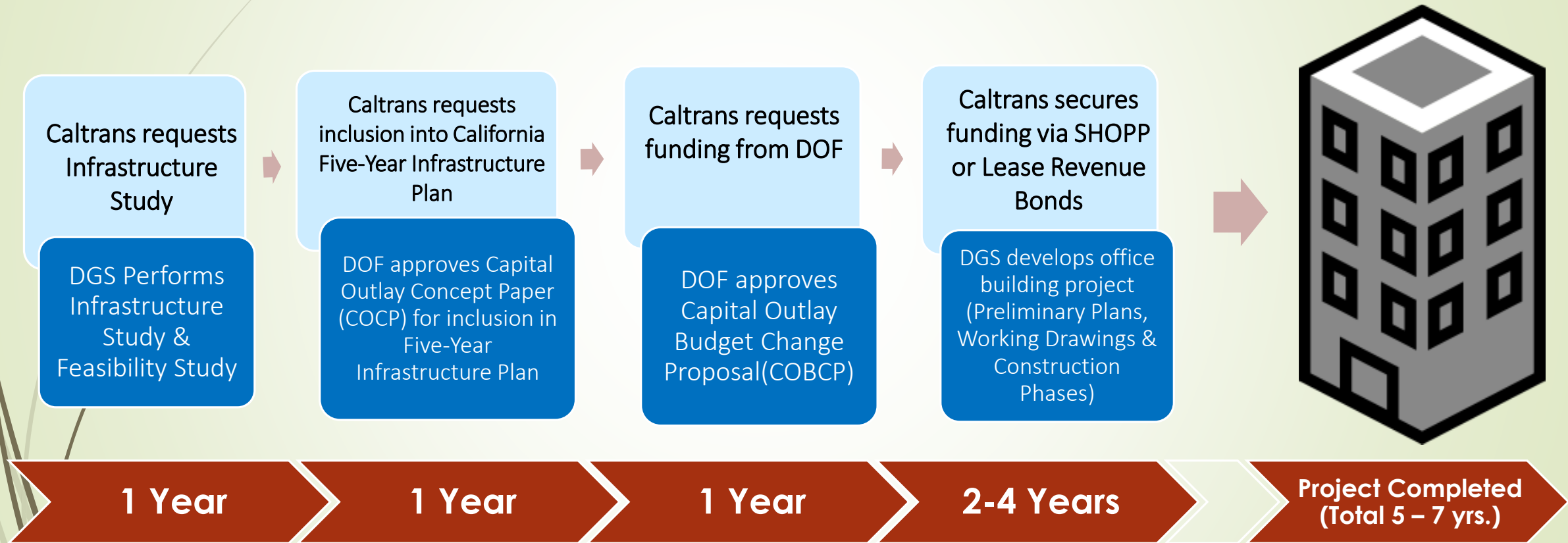
Overview of Studies:

- Mechanical (HVAC), Electrical, Plumbing, Utilities (Sewer & Water Lines), and Telecommunications systems are obsolete and beyond service life
- Fire protection sprinklers limited to certain parts of the building (if at all)
- Hazardous materials can be found in the original building material, making building upgrades complex and expensive

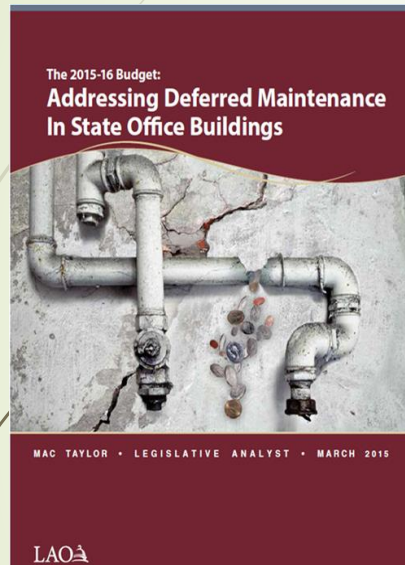
Need Due to Aging Inventory of Buildings



Office Building Projects Process

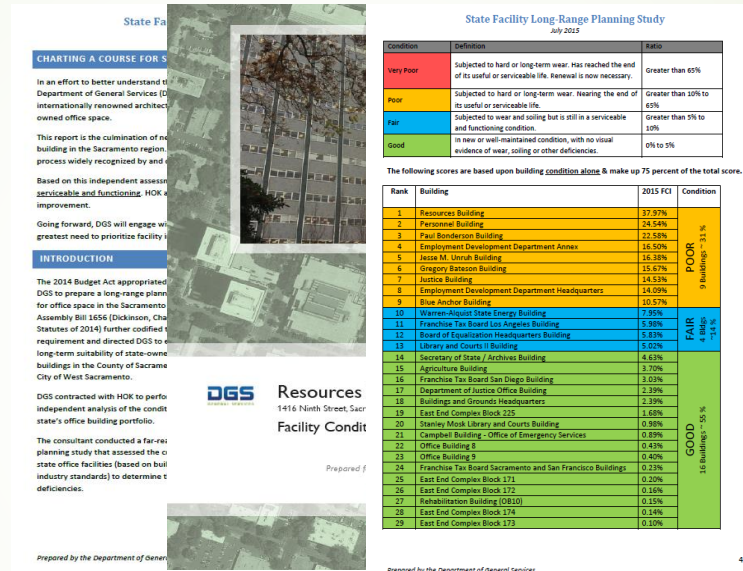


Reports on Department of General Services (DGS) and State Office Building Needs



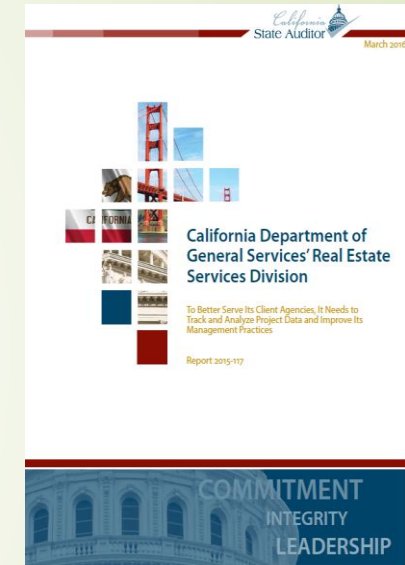
March 2015

- DGS has struggled to consistently maintain their office building portfolio
- DGS has backlog of \$138M of maintenance projects
- Limited to DGS portfolio only



July 2015

- Prioritized facility improvements based on condition and risk
- Limited to DGS portfolio only



March 2016

- DGS has struggled to deliver its projects on time and within budgeted cost estimates

Maximizing the Service Life of our Office Buildings

District 7 (Los Angeles) Headquarters Building Facility Management Assessment

- In an effort to maximize the service life of our existing office buildings, a Facility Management Assessment was performed to develop a template for proper Operation and Maintenance of our office building facilities.
- The report compares the current service level and tools with industry recommended service levels, training, and software.
- A summary of the findings and recommendations will be presented later this month to executive staff.



District 7 (Los Angeles)
Built in 2004



Caltrans Next Steps: Addressing Infrastructure Risks

➤ Short Term Actions for Fiscal Year: 2016-17:

- Update Facility Infrastructure Study on Caltrans Headquarters building in Sacramento
- Perform Statewide Facility Condition Assessment to help prioritize and plan for future projects

➤ Long Term Goals:

- Submit Concept Paper to Department of Finance for Headquarter Building
- Submit Capital Outlay Budget Change Proposal to Department of Finance

➤ Constraints:

- Competing departmental funding priorities



Office Building Sustainability Efforts

- ▶ **Working toward reducing water usage and meeting the targets of the Governor's State of Emergency Drought Proclamation and Executive Orders B-18-12, B-29-15 and B-30-15.**
 - ▶ Reducing water usage by 25%
 - ▶ Conducted survey of our facilities to identify water savings opportunities
- ▶ Pursuing Leadership in Energy and Environmental Design (LEED) Certification in our new and existing office buildings
 - ▶ Target to have 9 of our 12 office buildings LEED certified by end of next year
- ▶ Installing Energy Efficient Lighting such as LEDs
 - ▶ Purchased and installed 61,000 LED in our office buildings statewide and plan on purchasing and installing more this fiscal year.

Questions?

